Dan He (Denise) Xu

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Education

University of British Columbia - Bachelor of Science, Computer Science Major (Major GPA: 86%)
· Expected Graduation Date: May 2022

Work Experience

Software Developer Intern/ Part-Time **Copperleaf Technologies, Vancouver** **JAN – DEC 2020**
Angular, RxJS, Kendo UI, Typescript, C#, PostgreSQL, .NET Core, XUnit, Selenium
· Collaborated with a cross-functional agile team to create a new project that was showcased on the company's annual summit with over 200 stakeholders in the summer of 2020
· Completed full stack feature implementations, bug fixes, database migrations and unit tests with continuous communication with various teams, finishing around 40% of the application UI that was delivered to stakeholders
· Redesigned the structure of automated UI test project independently using Page Object Pattern with Selenium, which was included in the CI/CD pipeline and reduced time to identify bugs for developers and product owner
· Took initiative and ownership of creating infrastructure for supporting automated API test suite to bridge the gap between two applications, which runs nightly with Jenkins to ensure the stability of the APIs

Technical Projects

UBC Tantan *React, Redux, TypeScript, Node, Express, MongoDB, Mongoose* **MAY – AUG 2020**
· Developed a fully featured social networking web application that allows users to post, like, comment, add friends, and chat in groups in a team of four
· Implemented 70% of all the RESTful APIs and wrote unit tests that had over 80% code coverage
· Designed database schema and mongoose model interfaces which allows frontend and backend to share the same model interfaces in order to improve team productivity

SuperRent *Java, Oracle, SQL, JDBC* **OCT – NOV 2019**
· Collaborated in a team of three to develop a database system for car rental company for tracking transactions
· Designed database schemas by creating an Entity-Relationship Diagram and implemented a terminal-based application for querying with embedded SQL using JDBC

Mentorship Search *HTML, CSS, JavaScript, Node, Express, Passport, MongoDB* **JUL 2019**
· Participated in BizHack 2019 and developed a simple mentorship search application that allows authenticated users to search by name or expertise

Shift Scheduler *Java* **MAY – JUN 2019**
· Developed a shift scheduling algorithm for Mr. Mustache Bubble Tea (worked as a part-time barista from 2017-2019) in 2019, which was approved by the manager to reduce scheduling time for two store locations by 95%
· Structured to include features such as multiple store locations, employees' desired number of shifts, choice of fixing a shift, removing consecutive shifts, etc.

Color Filler *C++, GDB, Valgrind* **MAR 2019**
· Implemented a program that produces a GIF of filling color for an image with BFS and DFS

Technical Skills

Languages	Java, JavaScript/TypeScript, C#, C, C++, HTML, CSS
Software/Tools	Angular, React, Redux, Node, Express, MongoDB, PostgreSQL, .NET Core, Selenium, Git